



Dkt 8325-0012
SI2-US1
PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

RASCHKE et al.

Serial No.: 09/844,662

Group Art Unit: 1645

Filing Date: April 27, 2001

Examiner: Unassigned

Title: METHODS FOR BINDING EXOGENOUS MOLECULE TO CELLULAR CHROMATIN

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The information listed below may be material to the examination of the above-identified application. Copies of the information and completed PTO-1449 forms are submitted herewith. The Examiner is respectfully requested to make this information of official record in the application.

This Information Disclosure Statement under 37 CFR § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Respectfully submitted,

Date: May 3, 2002

By: [Signature]
Dahna S. Pasternak
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COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



Atty Dkt No. 8325-0012

#1/I.D.S.

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 4

In the Application of RASCHKE et al.

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U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1	5,789,538	August 4, 1998	Rebar et al.			
	AB-1	6,007,988	December 28, 1999	Choo et al.			
	AC-1	6,013,453	January 11, 2000	Choo et al.			

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES	Translation NO
	AD-1	WO 95/19431	July 20, 1995	PCT				
	AE-1	WO 98/54311	December 3, 1998	PCT				
	AF-1	WO 01/68807	September 20, 2001	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	AG-1	Aparicio et al., "Characterization of Proteins Bound to Chromatin by Immunoprecipitation from Whole-Cell Extracts," <i>Current Protocols in Molecular Biology</i> (suppl 47): 21.3,1-12

Examiner:

Date Considered:

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	AH-1	Beerli et al., "Positive and Negative Regulation of Endogenous Genes by Designed Transcription Factors," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>97</u> :1495-1500 (2000) ✓
	AI-1	Beerli et al., "Toward Controlling Gene Expression at Will: Specific Regulation of <i>erbB-2/HER-2</i> Promoter by Using polydactyl Zinc Finger Proteins Constructed from Modular Building Blocks," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>95</u> :14628-14633 (1998) ✓
	AJ-1	Boyd et al., "Myc Versus USF: Discrimination at the <i>cad</i> Gene is Determined by Core Promoter Elements," <i>Molecular Cellular Biology</i> <u>17</u> (5):2529-2537 (1997) ✓
	AK-1	Boyd et al., "c-Myc Target Gene Specificity is Determined by a Post-DNA-Binding Mechanism," <i>PNAS</i> <u>95</u> :13,887-13,892 (1998) ✓
	AL-1	Choo et al., "Toward a Code for the Interactions of Zinc Fingers with DNA: Selection of Randomized Fingers Displayed on Phage," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>91</u> :11163-11167 (1994) ✓
	AM-1	Choo et al., " <i>In Vivo</i> Repression by a Site-Specific DNA-Binding Protein Designed Against an Oncogenic Sequence," <i>Nature</i> <u>372</u> :642-645 (1994) ✓
	AN-1	Greisman et al., "A General Strategy for Selecting High-Affinity Zinc Finger Proteins for Diverse DNA Target Sites," <i>Science</i> <u>275</u> :657-661 (1997) ✓
	AO-1	Hayes, J. J., "Chemical Probes of DNA Structure in Chromatin," <i>Current Biology</i> <u>2</u> :127-135 (1995) ✓
	AP-1	Hebbes et al., "Core Histone Hyperacetylation Co-Maps with Generalized DNase I Sensitivity in the Chicken β -Globin Chromosomal Domain," <i>The EMBO Journal</i> <u>13</u> (8):1823-1830 (1994) ✓

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	AQ-1	Jamieson et al., "In Vitro Selection of Zinc Fingers with Altered DNA-Binding Specificity," <i>Biochemistry</i> <u>33</u> :5689-5695 (1994)
	AR-1	Kang et al., "Zinc Finger Proteins as Designer Transcription Factors," <i>The Journal of Biological Chemistry</i> <u>275</u> (12):8742-8748 (2000)
	AS-1	Kuo et al., "In Vivo Cross-Linking and Immunoprecipitation for Studying Dynamic Protein:DNA Associations in a Chromatin Environment," <i>Methods</i> <u>19</u> :425-433 (1999)
	AT-1	Liu et al., "Design of Polydactyl Zinc-Finger Proteins for Unique Addressing Within Complex Genomes," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>94</u> :5525-5530 (1997)
	AU-1	Livingstone-Zatchej et al., "Mapping of Nucleosome Positions in Yeast", <i>Methods in Molecular Biology</i> , <u>119</u> : pp 363-378 Chromatin Protocols, P.B. Becker, ed., Humana Press, (1999)
	AV-1	O'Neill et al., "Immunoprecipitation of Chromatin," <i>Meth. Enzymol.</i> <u>274</u> :189-197 (1996)
	AW-1	Pomerantz et al., "Structure-Based Design of Transcription Factors," <i>Science</i> <u>267</u> :93-96 (1995)
	AX-1	Rebar et al., "Zinc Finger Phage: Affinity Selection of Fingers with New DNA-Binding Specificities," <i>Science</i> <u>263</u> :671-673 (1994)
	AY-1	Sippel et al., "Identification of cis-Acting Elements as DNase I Hypersensitive Sites in Lysozyme Gene Chromatin," <i>Meth. Enzymol.</i> <u>274</u> :233-246 (1996)
	AZ-1	Tullius et al., "Hydroxyl Radical Footprinting: A High-Resolution Method for Mapping Protein-DNA Contacts," <i>Meth. Enzymol.</i> , <u>155</u> :537-558 (1987)

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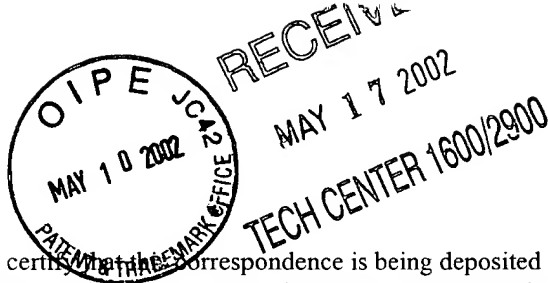
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	BA-1	van Steensel et al., <i>Nature Biotechnology</i> , 18:424-428 (2000)
	BB-1	Wellinger et al., <i>Methods in Molecular Biology</i> , 119:Chromatin Protocols, P.B. Becker, ed., Humana Press, pp.161-173
	BC-1	Wolffe, "Chromatin: Structure and Function." 3 rd Ed. Academic Press, San Diego (1998)

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TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is an Information Disclosure Statement, including a Form PTO-1449 and copies of the cited references. It is believed that no fee is due.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

Respectfully submitted,

Date: May 3, 2002

By: [Signature]
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